This listing of claims replaces all prior versions, and listings of claims in the instant application:

Listing of Claims:

1.   (Currently Amended)   A method for presenting a runtime environment component service by a first computer system to a second computer system over a communication network, said method being performed by said first computer system and comprising:

generating a user interface infrastructure, on said first computer system, to receive graphic user interface events from a lightweight component on said second computer system and to send remote graphic user interface commands to said lightweight component on said second computer system, wherein said remote graphic user interface commands are used in generating a user interface on said second computer system for a user of said runtime environment component service on said first computer system

wherein said generating comprises:

receiving a call to a create bean window method of a bean service object executing on said first computer system from a bean object of said lightweight component executing on said second computer system <u>wherein said bean service object is an instantiation of a bean service class</u>; and

calling an initialize method by said bean service object to create a bean window object on said first computer system <u>wherein said bean window object is an instantiation of a bean window class</u>; and

using said user interface infrastructure to initialize said runtime environment component service on said first computer system wherein said using comprises:

    calling, by said bean service object, a create
instance method in an application programming
interface of a client factory object of said
lightweight component <u>wherein said client factory
object is an instantiation of a client factory class</u>;
    initializing a remote frame window object in
said lightweight component by said client factory
object executing on said second computer system
<u>wherein said remote frame window object is an
instantiation of a remote frame window class</u>; and
    further wherein said runtime environment
component service sends graphic user interface
commands to said user interface infrastructure
on said first computer system;
    said second computer system comprises a
client device; and
    said first computer system comprises a
server device.

 2. (Previously Presented) The method of Claim 1 further
comprising:
    receiving, by said bean window object in said user
interface infrastructure, a remote input action event via
said communication network, said remote input action event
being generated in said second computer system by said
lightweight component corresponding to said runtime
environment component service on said first computer
system.

 3. (Previously Presented) The method of Claim 2 further
comprising:
    transmitting an input event from said bean window
object to an application in said runtime environment

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component service in response to said remote input action event.

4. (Previously Presented) The method of Claim 3 further comprising:

processing said input event by said application in said runtime environment component service.

5. (Previously Presented) The method of Claim 4 further comprising:

generating a graphic user interface command to said bean window object by said application in said runtime environment component service.

6. (Previously Presented) The method of Claim 5 further comprising:

transmitting a remote graphic user interface command from said bean window object to said remote frame window in said lightweight component in response to said graphic user interface command.

7. (Currently Amended) A method for presenting a runtime environment component service by a first computer system to a second computer system over a communication network, said method being performed by said first computer system and comprising:

receiving a remote input action command, by a bean window object in a runtime environment component service on said first computer system, via said communication network, said remote input action command being generated in said second computer system by a remote frame window object in a lightweight component corresponding to said runtime environment component service on said first computer system wherein said bean window object is an

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instantiation of a bean window class and said remote frame window object is an instantiation of a remote frame window class;

transmitting a local input action command from said bean window object to an application in said runtime environment component service in response to said remote input action command;

processing said local input action command by said application in said runtime environment component service;

generating a local output command by said application in said runtime environment component service to said bean window object on said first computer system; and

transmitting a remote output command from said bean window object to said remote frame window in said lightweight component in response to said local output command wherein said remote output command is used in generating a user interface on said second computer system for a user of said runtime environment component service on said first computer system and further wherein said second computer system comprises a client device and said first computer system comprises a server device.

8.   (Previously Presented)   The method of Claim 7 wherein said application in said runtime environment component service is in an office application suite.

9.   (Cancelled).

10.   (Cancelled).

11.   (Cancelled).

12.   (Cancelled).

13.   (Cancelled).

14.   (Cancelled).

15.   (Cancelled).

16.   (Cancelled).

17.   (Cancelled).

18.   (Cancelled).

19.   (Cancelled).

20.   (Cancelled).

21.   (Cancelled).

22.   (Cancelled).

23.   (Cancelled).

24.   (Cancelled).

25.   (Cancelled).

26.   (Cancelled).

27.   (Cancelled).

28.   (Currently Amended)   A computer program product comprising computer code for a method for presenting a runtime environment component service by a first computer system to a second computer system over a communication network, said

method being performed by said first computer system, said
method comprising:

generating a user interface infrastructure, on said
first computer system, to receive graphic user interface
events from a lightweight component on said second
computer system and to send remote graphic user interface
commands to said lightweight component on said second
computer system, wherein said remote graphic user
interface commands are used in generating a user interface
on said second computer system for a user of said runtime
environment component service on said first computer
system

wherein said generating comprises:

receiving a call to a create bean window method
of a bean service object executing on said first
computer system from a bean object of said
lightweight component executing on said second
computer system <u>wherein said bean service object is
an instantiation of a bean service class</u>; and

calling an initialize method by said bean
service object to create a bean window object on said
first computer system <u>wherein said bean window object
is an instantiation of a bean window class</u>; and

using said user interface infrastructure to
initialize said runtime environment component service on
said first computer system wherein said using comprises:

calling, by said bean service object, a create
instance method in an application programming
interface of a client factory object of said
lightweight component <u>wherein said client factory
object is an instantiation of a client factory class</u>;

initializing a remote frame window object in
said lightweight component by said client factory
object executing on said second computer system

wherein said remote frame window object is an instantiation of a remote frame window class; and

further wherein said runtime environment component service sends graphic user interface commands to said user interface infrastructure on said first computer system;

said second computer system comprises a client device; and

said first computer system comprises a server device.

29. (Currently Amended) A computer program product comprising computer code for a method for presenting a runtime environment component service by a first computer system to a second computer system over a communication network, said method being performed by said first computer system and comprising:

receiving a remote input action command, by a bean window object in a runtime environment component service on said first computer system, via said communication network, said remote input action command being generated in said second computer system by a remote frame window object in a lightweight component corresponding to said runtime environment component service on said first computer system wherein said bean window object is an instantiation of a bean window class and said remote frame window object is an instantiation of a remote frame window class;

transmitting a local input action command from said bean window object to an application in said runtime environment component service in response to said remote input action command;

processing said local input action command by said application in said runtime environment component service;

generating a local output command by said application in said runtime environment component service to said bean window object on said first computer system; and

transmitting a remote output command from said bean window object to said remote frame window in said lightweight component in response to said local output command wherein said remote output command is used in generating a user interface on said second computer system for a user of said runtime environment component service on said first computer system and further wherein said second computer system comprises a client device and said first computer system comprises a server device.

30. (Previously Presented) The method of Claim 1 wherein said generating comprises:

calling an initialize method, by said bean service object, to create a bean frame object on said first computer system.

31. (Previously Presented) The method of Claim 30 further comprising:

receiving, by said bean frame object, a load document command from said bean object of said lightweight component.

32. (Previously Presented) The method of Claim 31 further comprising:

calling, by said bean frame object in response to said load document command, an initialize method to initialize a window for an application in said runtime environment component service.

33. (Currently Amended) ~~The method of Claim 32 further comprising~~:A method for presenting a runtime environment

component service by a first computer system to a second computer system over a communication network, said method being performed by said first computer system and comprising:

generating a user interface infrastructure, on said first computer system, to receive graphic user interface events from a lightweight component on said second computer system and to send remote graphic user interface commands to said lightweight component on said second computer system, wherein said remote graphic user interface commands are used in generating a user interface on said second computer system for a user of said runtime environment component service on said first computer system

wherein said generating comprises:

receiving a call to a create bean window method of a bean service object executing on said first computer system from a bean object of said lightweight component executing on said second computer system; and

calling an initialize method, by said bean service object, to create a bean window object on said first computer system;

calling an initialize method, by said bean service object, to create a bean frame object on said first computer system;

using said user interface infrastructure to initialize said runtime environment component service on said first computer system wherein said using comprises:

calling, by said bean service object, a create instance method in an application programming interface of a client factory object of said lightweight component;

initializing a remote frame window object in
said lightweight component by said client factory
object executing on said second computer system; and
further wherein said runtime environment
component service sends graphic user interface
commands to said user interface infrastructure
on said first computer system;
said second computer system comprises a
client device; and
said first computer system comprises a
server device;
receiving, by said bean frame object, a load document
command from said bean object of said lightweight
component;
calling, by said bean frame object in response to
said load document command, an initialize method to
initialize a window for an application in said runtime
environment component service; and
calling, by said bean frame object, a load URL method
in said application to load said document in said
application.

34. (Previously Presented) A method for presenting a
runtime environment component service by a first computer
system to a second computer system over a communication
network, said method being performed by said first computer
system and comprising:
generating a user interface infrastructure, on said
first computer system, to receive graphic user interface
events from a lightweight component on said second
computer system and to send remote graphic user interface
commands to said lightweight component on said second
computer system, wherein said remote graphic user
interface commands are used in generating a user interface

on said second computer system for a user of said runtime environment component service on said first computer system,

wherein said generating comprises:

receiving a call to a create bean window method of a bean service object executing on said first computer system from a bean object of said lightweight component executing on said second computer system;

calling an initialize method by said bean service object to create a bean window object on said first computer system; and

calling an initialize method, by said bean service object, to create a bean frame object on said first computer system;

using said user interface infrastructure to initialize said runtime environment component service on said first computer system wherein said using comprises:

calling, by said bean service object, a create instance method in an application programming interface of a client factory object of said lightweight component;

initializing a remote frame window object in said lightweight component by said client factory object executing on said second computer system; and

further wherein said runtime environment component service sends graphic user interface commands to said user interface infrastructure on said first computer system;

said second computer system comprises a client device; and

said first computer system comprises a server device;

calling an initialize method, by said bean service object, to create a bean frame object on said first computer system;

receiving, by said bean frame object, a load document command from said bean object of said lightweight component;

calling, by said bean frame object in response to said load document command, an initialize method to initialize a window for an application in said runtime environment component service on said first computer system;

calling, by said bean frame object, load URL method in said application to load said document in said application; and

receiving, by said bean window object in said user interface infrastructure, a remote input action event via said communication network, said remote input action event being generated in said second computer system by said lightweight component corresponding to said runtime environment component service on said first computer system.